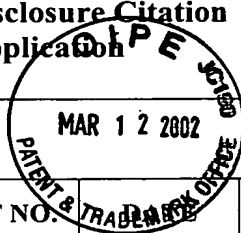


| | | | | | |
|--|--|---|--|-----------------------------------|--|
| PTO-1449 | | Application No. 10/033,848 | | Applicant(s) Mohammed N. Islam | |
| Information Disclosure Citation in an Application | | Docket Number 20434-758 (069204.0179) | | Group Art Unit | |
| | | | | Filing Date December 19, 2001 | |



U.S. PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|----|---|--------------|------------|-------------|-------|----------|-------------|
| dm | A | 5,905,838 | 05/18/1999 | Judy et al. | 385 | 123 | 02/18/1998 |
| | B | | | | | | |
| | C | | | | | | |
| | D | | | | | | |
| | E | | | | | | |
| | F | | | | | | |
| | G | | | | | | |
| | H | | | | | | |
| | I | | | | | | |
| | J | | | | | | |
| | K | | | | | | |
| | L | | | | | | |
| | M | | | | | | |
| | N | | | | | | |
| | O | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|----|---|---------------|------------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| dm | P | 0 841 764 A2 | 13.05.1998 | EP | H04B | 10/24 | X | |
| | Q | 2 764 452 A1 | 11.12.1998 | FR | H04J | 14/02 | | X |
| dm | R | 0 90 3 877 A2 | 24.03.1999 | EP | H04B | 10/18 | X | |

NON-PATENT DOCUMENTS

| | | DOCUMENT (Including Author, Title, Source, and Pertinent Pages) | DATE |
|----|---|---|-----------------|
| dm | S | PCT International Search Report Form PCT/ISA/210 | 22 January 2002 |
| dm | T | PCT International Search Report Form PCT/ISA/210 | 22 January 2002 |
| | U | | |

EXAMINER

Dorienne Monblanc

DATE CONSIDERED

11-7-02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE

| | | | | | |
|--|--|--------------------------------------|--|--|--|
| PTO-1449 | | Application No. 10/033,848 | | Applicant(s) Mohammed N. Islam | |
| Information Disclosure Citation In an Application | | Docket Number 069204.0179 | | Group Art Unit | |
| | | | | Filing Date December 19, 2001 | |

JUL 12 2002

U.S. PATENT DOCUMENTS

| | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|--------------|------------|----------------|-------|----------|-------------|
| | 4,923,291 | 05/08/1990 | Edagawa et al. | 350 | 389 | 07/15/1988 |
| B | 4,932,739 | 06/12/1990 | Islam | 350 | 96.15 | 09/25/1989 |
| C | 4,995,690 | 02/26/1991 | Islam | 350 | 96.15 | 04/24/1989 |
| D | 5,020,050 | 05/28/1991 | Islam | 370 | 4 | 10/13/1989 |
| E | 5,078,464 | 01/07/1992 | Islam | 385 | 122 | 11/07/1990 |
| F | 5,101,456 | 03/31/1992 | Islam | 385 | 27 | 11/07/1990 |
| G | 5,115,488 | 05/19/1992 | Islam et al. | 385 | 129 | 05/10/1991 |
| H | 5,224,194 | 06/29/1993 | Islam | 385 | 122 | 04/02/1991 |
| I | 5,251,642 | 10/12/1993 | Handlos | 128 | 774 | 06/06/1991 |
| J | 5,369,519 | 11/29/1994 | Islam | 359 | 173 | 02/05/1993 |
| K | 5,485,536 | 01/16/1996 | Islam | 385 | 31 | 10/13/1994 |
| L | 5,664,036 | 09/02/1997 | Islam | 385 | 31 | 10/12/1995 |
| M | 5,689,596 | 11/18/1997 | Evans | 385 | 27 | 02/13/1997 |
| N | 5,778,014 | 07/07/1998 | Islam | 372 | 6 | 12/23/1996 |
| O | 5,790,300 | 08/04/1998 | Zediker et al. | 359 | 334 | 10/15/1996 |
| P | 5,796,909 | 08/18/1998 | Islam | 385 | 147 | 02/14/1996 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
|---|--------------|------------|---------|-------|----------|-------------|
| P | 96/16612 A1 | 06.06.1996 | WO | A61F | 2/08 | X |
| Q | 99/49580 A2 | 30.09.1999 | WO | H04B | | X |
| R | 99/62407 A1 | 09.12.1999 | WO | A61B | 17/04 | X |
| S | 1 069 712 A2 | 17.01.2001 | EP | H04B | 10/17 | X |

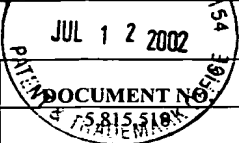
| | DOCUMENT (Including Author, Title, Source, and Pertinent Pages) | DATE |
|---|---|------------|
| T | Stolen et al., "Parametric Amplification and Frequency Conversion in Optical Fibers," IEEE Journal of Quantum Electronics, Vol. QE-18, No. 7, pp. 1062-1072 | 07/1982 |
| U | Agrawal, "Stimulated Raman Scattering," Ch. 8 and "Parametric Processes," Ch. 10 of Nonlinear Fiber Optics | 1989 |
| V | Zou et al., "Compensation of Raman Scattering and EDFA's Nonuniform Gain in Ultra-Long-Distance WDM Links," IEEE Photonics Technology Letters, Vol. 8, No. 1, pp. 139-141 | 01/1996 |
| W | Yamada et al., "Broadband and gain-flattened amplifier composed of 1.55µm-band Er ³⁺ doped fibre amplifier in a parallel configuration," Electronics Letters, Vol. 33, No. 8, pp. 710-711 | 04/10/1997 |
| X | Masuda et al., "Ultra-wideband optical amplification with 3dB bandwidth of 65 nm using a gain-equalized two-stage erbium-doped fibre amplifier and Raman amplification," Electronics Letters, Vol. 33, No. 9, pp. 73-78 | 04/1997 |
| Y | Masuda et al., "75-nm 3-dB Gain-band Optical Amplification with Erbium-doped fluoride Fibre amplifiers and Distributed Raman Amplifiers in 9 x 2.5-Gb/s WDM Transmission Experiment," ECOC Conference, Vol. 5, No. 448, pp. 73-76 | 09/22/1997 |
| Z | Wysocki et al., "Broad-Band Erbium-Doped Fiber Amplifier Flattened Beyond 40 nm Using Long-Period Grating Filter," IEEE Photonics Technology Letters, Vol. 9, No. 10, pp. 1343-1345 | 10/1997 |

| | |
|--------------------------------------|-----------------------------------|
| EXAMINER <i>Danielle Manbleen</i> | DATE CONSIDERED <i>11-7-02</i> |
|--------------------------------------|-----------------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE

| | | | |
|--|--------------------------------------|--|---|
| PTO-1449 | Application No. 10/033,848 | Applicant(s) Mohammed N. Islam | |
| Information Disclosure Citation In an Application | Docket Number 069204.0179 | Group Art Unit | Filing Date December 19, 2001 |



U.S. PATENT DOCUMENTS

| | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|------|--------------|------------|------------------|-------|----------|-------------|
| DM A | 5,815,510 | 09/29/1998 | Reed et al. | 372 | 6 | 06/06/1997 |
| B | 5,978,130 | 11/02/1999 | Fee et al. | 359 | 341 | 09/16/1997 |
| C | 6,043,927 | 03/28/2000 | Islam | 359 | 332 | 01/16/1998 |
| D | 6,052,393 | 04/18/2000 | Islam | 372 | 6 | 07/07/1998 |
| E | 6,088,152 | 07/11/2000 | Berger et al. | 359 | 334 | 03/08/1999 |
| F | 6,101,024 | 08/08/2000 | Islam et al. | 359 | 334 | 03/24/1998 |
| G | 6,151,160 | 11/21/2000 | Ma et al. | 359 | 341 | 10/05/1998 |
| H | 6,191,877 B1 | 02/20/2001 | Chraplyvy et al. | 359 | 124 | 07/15/1996 |
| I | 6,239,902 B1 | 05/29/2001 | Islam et al. | 359 | 334 | 05/05/2000 |
| J | 6,239,903 B1 | 05/29/2001 | Islam et al. | 359 | 337 | 04/25/2000 |
| K | 6,335,820 B1 | 01/01/2002 | Islam | 359 | 334 | 12/23/1999 |
| L | 6,356,384 B1 | 03/12/2002 | Islam | 359 | 334 | 04/11/2000 |
| M | 6,359,725 B1 | 03/19/2002 | Islam | 359 | 334 | 12/23/1999 |
| N | 6,370,164 B1 | 04/09/2002 | Islam | 372 | 6 | 04/17/2000 |
| O | 6,374,006 B1 | 04/16/2002 | Islam et al. | 385 | 15 | 03/19/1999 |
| P | 6,381,391 B1 | 04/30/2002 | Islam et al. | 385 | 123 | 12/03/1999 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
|---|--------------|------|---------|-------|----------|-------------|
| P | | | | | | |
| Q | | | | | | |
| R | | | | | | |

| | DOCUMENT (Including Author, Title, Source, and Pertinent Pages) | DATE |
|------|---|---------------------|
| DM S | Sun et al., "80nm ultra-wideband erbium-doped silica fibre amplifier," Vol. 33, No. 23, pp. 1965-1967 | 11/06/1997 |
| T | Becker et al., "Erbium Doped Fiber Amplifiers Fundamentals and Technology," Academic Press, pp. 55-60 | 1999 |
| U | Yun et al., "Dynamic Erbium-Doped Fiber Amplifier Based on Active Gain Flattening with Fiber Acoustooptic Tunable Filters," IEEE Photonics Technology Letters, Vol. 11, No. 10, pp. 1229-1231 | 10/1999 |
| V | Nielsen et al., "3.28 Tb/s (82x40 Gb/s) transmission over 3 x 100 km nonzero-dispersion fiber using dual C- and L-band hybrid Raman/Erbium-doped inline amplifiers," OFCC 2000, pp. 1229-1231 | 03/7-10/2000 |
| W | Pending Patent Application; USSN 09/765,972; entitled "S+ Band Nonlinear Polarization Amplifiers," (0165) | Filed 01/19/2001 |
| X | Pending Patent Application; USSN 09/990,142; entitled "Broadband Amplifier and Communication System" | Filed 11/20/2001 |
| Y | PCT International Search Report Form PCT/ISA/210 | 09/06/1999 |
| Z | | |
| AA | | |
| BB | | |
| CC | | |

| | |
|--------------------------------------|-----------------------------------|
| EXAMINER <i>Danielle Monbleau</i> | DATE CONSIDERED <i>11-7-02</i> |
|--------------------------------------|-----------------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE

| | | | | | |
|--|--|-------------------------------|--|-----------------------------------|--|
| PTO-1449 | | Application No. 10/033,848 | | Applicant(s) Mohammed N. Islam | |
| Information Disclosure Citation in an Application | | Docket Number 069204.0179 | | Group Art Unit 2828 | |
| | | | | Filing Date December 19, 2001 | |

U.S. PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|----|---|--------------|------------|-------------------|-------|----------|-------------|
| DM | A | 4,740,974 | 04/26/1988 | Byron | 372 | 3 | 12/11/1985 |
| | B | 4,923,291 | 05/08/1990 | Edagawa et al. | 350 | 389 | 07/15/1988 |
| | C | 5,587,830 | 12/24/1996 | Chraplyvy et al. | 359 | 341 | 05/28/1993 |
| | D | 5,719,696 | 02/17/1998 | Chraplyvy et al. | 359 | 341 | 02/09/1996 |
| | E | 5,831,761 | 11/03/1998 | Chraplyvy et al. | 359 | 341 | 05/23/1997 |
| | F | 6,011,892 | 01/04/2000 | Chraplyvy et al. | 385 | 123 | 07/16/1998 |
| | G | 6,049,417 | 04/11/2000 | Srivastava et al. | 359 | 341 | 05/15/1998 |
| | H | 6,205,268 B1 | 03/20/2001 | Chraplyvy et al. | 385 | 24 | 02/19/1999 |
| | I | | | | | | |
| | J | | | | | | |
| | K | | | | | | |
| | L | | | | | | |
| | M | | | | | | |
| | N | | | | | | |
| | O | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|---|--------------|------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | P | | | | | | | |
| | Q | | | | | | | |
| | R | | | | | | | |

NON-PATENT DOCUMENTS

| | | DOCUMENT (Including Author, Title, Source, and Pertinent Pages) | DATE |
|--|---|---|------|
| | S | | |
| | T | | |
| | U | | |

EXAMINER

DATE CONSIDERED

Daisene Menblan

11-7-02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. PATENT AND TRADEMARK OFFICE